

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

API 47 - 017 - 06367 County Doddridge District Cove
Quad Oxford Pad Name Bode Field/Pool Name _____
Farm name Ryan C. Shields & Lisa Shields Well Number B-858
Operator (as registered with the OOG) Berry Energy Inc.
Address 310 Stiles Street City Clarksburg State WV Zip 26302

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4332433.7 Easting 521514.3
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1128 GL Type of Well ☒ New ☐ Existing Type of Report ☐ Interim ☒ Final
Permit Type ☐ Deviated ☐ Horizontal ☐ Horizontal 6A ☒ Vertical Depth Type ☐ Deep ☒ Shallow
Type of Operation ☐ Convert ☐ Deepen ☒ Drill ☐ Plug Back ☐ Redrilling ☐ Rework ☒ Stimulate
Well Type ☐ Brine Disposal ☐ CBM ☒ Gas ☒ Oil ☐ Secondary Recovery ☐ Solution Mining ☐ Storage ☐ Other _____
Type of Completion ☐ Single ☒ Multiple Fluids Produced ☐ Brine ☒ Gas ☐ NGL ☒ Oil ☐ Other _____
Drilled with ☐ Cable ☒ Rotary

Drilling Media Surface hole ☒ Air ☐ Mud ☐ Fresh Water Intermediate hole ☒ Air ☐ Mud ☐ Fresh Water ☐ Brine
Production hole ☒ Air ☐ Mud ☐ Fresh Water ☐ Brine
Mud Type(s) and Additive(s)
NA

Date permit issued 10/02/2013 Date drilling commenced 02/10/2014 Date drilling ceased 02/16/2014
Date completion activities began 03/31/2014 Date completion activities ceased 03/31/2014
Verbal plugging (Y/N) N Date permission granted _____ Granted by _____

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 134' Open mine(s) (Y/N) depths N
Salt water depth(s) ft N Void(s) encountered (Y/N) depths _____
Coal depth(s) ft NONE Cavern(s) encountered (Y/N) depths _____
Is coal being mined in area (Y/N) N

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NOV 12 2014
Reviewed by:
WV Department of
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API 47- 017 - 06367 Farm name Ryan C. Shields & Lisa Shields Well number B-858

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor	17 1/2"	13"	30'	NEW	37#	N	Y
Surface	12 1/4"	9 5/8"	210'	NEW	26#	N	Y
Coal							
Intermediate 1	8 7/8"	7"	1275'	NEW	17#	N	Y
Intermediate 2							
Intermediate 3							
Production	6 1/4"	4 1/2"	2900'	NEW	10.5#	N	N
Tubing		2 3/8"	2823'	NEW	4.2#	N	N
Packer type and depth set		N/A					

Comment Details Cement circulated to surface on 13", 9 5/8", and 7".

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Type 1/ 3% CaCl .25 flake	10	15.6	1.18	88.5	Surface	12
Surface	Type 1/ 3% CaCl .25 flake	75	15.6	1.18	88.5	Surface	12
Coal							
Intermediate 1	Type 1/ 3% CaCl 2% gel .25 flake	200	14.8	1.4	280	Surface	12
Intermediate 2							
Intermediate 3							
Production	CBL Poz	100	13.5	1.54	154	1470'	24
Tubing							

Drillers TD (ft) 3090 Loggers TD (ft) 3090
Deepest formation penetrated Gordon Plug back to (ft) na
Plug back procedure na

Kick off depth (ft) NA

Check all wireline logs run ☒ caliper ☒ density ☐ deviated/directional ☒ induction
☒ neutron ☒ resistivity ☒ gamma ray ☒ temperature ☒ sonic

Well cored ☐ Yes ☒ No Conventional Sidewall Were cuttings collected ☐ Yes ☒ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING Centralizers on 4 1/2" from 2000' to 2900', spaced every 125'.

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? ☐ Yes ☒ No DETAILS _____

WERE TRACERS USED ☐ Yes ☒ No TYPE OF TRACER(S) USED _____

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API 47-017 - 06367 Farm name Ryan C. Shields & Lisa Shields Well number B-858

PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

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2014

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Environmental Protection

Farm name Ryan C. Shields & Lisa Shields Well number B-858

DEPTHS

Gordon 2810-2813

GAS TEST ☒ Build up ☐ Drawdown ☐ Open Flow **OIL TEST** ☐ Flow ☐ Pump

OPEN FLOW	Gas		Oil		NGL		Water		GAS MEASURED BY		
100	mcfpd	Show	bpd	na	bpd	na	bpd		■ Estimated	□ Orifice	□ Pilot

LITHOLOGY/ FORMATION	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	TOP DEPTH IN FT	BOTTOM DEPTH IN FT	DESCRIBE ROCK TYPE AND RECORD QUANTITYAND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	NAME TVD	TVD	MD	MD	

[illegible]

Drilling Contractor First Class Energy

Address 409 Butler Road Suite A City Kittanning State PA Zip 16201

Logging Company Schlumberger

Address 1080 Us Highway 33 E City Weston State WV Zip 26452

Cementing Company Universal

Address 5 Hall Run Rd City Buckhannon State WV Zip 26201

Stimulating Company Universal

Address 5 Hall Run Rd City Buckhannon State WV Zip 26009

Please insert additional pages as applicable.

Completed by Daniel Berry

Telephone 304-622-3450

Signature David Berry Title Field Operations MGR

Date 10/15/2014

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS, Register

WV
 3450
 Date 10/15/2014
 DEPARTMENT OF
 Environmental Protection

17.06367

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Formation	Top	Bottom	Remarks
TGL	0	7	
FILL/CLAY	7	10	
SANDY SHALE	10	15	
SHALE	15	17	
SANDY SHALE	17	20	
SAND	20	40	
RED SHALE	40	55	
SHALE	55	105	
RED SHALE	105	125	
SAND	125	150	
RED SHALE	150	160	
SAND	160	180	
RED SHALE	180	230	
SHALE	230	330	
REDROCK	330	390	
SHALE	390	450	
COAL	450	453	Damp @ 450'
SHALE	453	510	
SAND	510	540	
SHALE	540	570	
SAND	570	630	
SHALE	630	690	
SANDY SHALE	690	890	
RED SHALE	890	945	
SHALE	945	1010	
RED SHALE	1010	1070	
SANDY SHALE	1070	1220	
SHALE	1220	1300	
SAND & SHALE	1300	1700	
SHALE	1700	1920	
SAND & SHALE	1920	2000	
SAND	2000	2200	
SHALE	2200	2280	
SAND	2280	2430	
SHALE	2430	2520	
SANDY SHALE	2520	2550	
SHALE	2550	2940	
SANDY SHALE	2940	3090	

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

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API 47-033-00547 County Harrison District Grant
Quad Mount Clare 7.5 Pad Name Dominion Field/Pool Name Lost Creek
Farm name Ann & William S. Davisson Well Number 11299
Operator (as registered with the OOG) Dominion Transmission Inc.
Address P.O. Box 2450 City Clarksburg State WV Zip 26302

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 39.14407 Easting 80.37289
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1274 GL Type of Well ☐ New ☒ Existing Type of Report ☐ Interim ☒ Final
Permit Type ☐ Deviated ☐ Horizontal ☐ Horizontal 6A ☐ Vertical Depth Type ☐ Deep ☒ Shallow
Type of Operation ☐ Convert ☐ Deepen ☐ Drill ☐ Plug Back ☐ Redrilling ☒ Rework ☒ Stimulate
Well Type ☐ Brine Disposal ☐ CBM ☒ Gas ☐ Oil ☒ Secondary Recovery ☐ Solution Mining ☐ Storage ☐ Other _____
Type of Completion ☐ Single ☐ Multiple Fluids Produced ☐ Brine ☒ Gas ☐ NGL ☒ Oil ☒ Other Rework
Drilled with ☐ Cable ☐ Rotary

Drilling Media Surface hole ☐ Air ☐ Mud ☐ Fresh Water Intermediate hole ☐ Air ☐ Mud ☐ Fresh Water ☐ Brine
Production hole ☐ Air ☐ Mud ☐ Fresh Water ☐ Brine
Mud Type(s) and Additive(s) _____

Date permit issued 09/27/2013 Date drilling commenced 11/04/2013 Date drilling ceased 08/13/2014
Date completion activities began 08/04/2014 Date completion activities ceased 08/05/2014
Verbal plugging (Y/N) N Date permission granted 08/03/2014 Granted by Sam Ward

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft N/A Rework Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A Rework Void(s) encountered (Y/N) depths N
Coal depth(s) ft N/A Rework Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N/A

Reviewed by: _____

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API 47- 033 - 00547

Farm name Ann & William S. Davisson

Well number 11299

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details No casing set rework well

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	CLASS A	300	15.6	1.23		1500'	8 hours
Tubing							

Drillers TD (ft) 3780

Loggers TD (ft) 3750

Deepest formation penetrated BALLTOWN 3818

Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) N/A

Check all wireline logs run

☒ caliper

☐ density

☐ deviated/directional

☐ induction

☐ neutron

☐ resistivity

☐ gamma ray

☐ temperature

☐ sonic

Well cored ☐ Yes ☒ No

Conventional

Sidewall

Were cuttings collected

☐ Yes ☒ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

WAS WELL COMPLETED AS SHOT HOLE

☐ Yes ☒ No

DETAILS _____

WAS WELL COMPLETED OPEN HOLE?

☒ Yes ☐ No

DETAILS

Perf old 4-1/2" pipe

WERE TRACERS USED

☐ Yes ☒ No

TYPE OF TRACER(S) USED _____

Well number 11299

PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

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WV Department of
Environmental Protection

API 47-033-00575 W County Harrison District Grant
Quad Berlin 7.5 Pad Name Dominion Field/Pool Name Lost Creek
Farm name David Hinkle and Lisle C. Leighton Well Number 11387
Operator (as registered with the OOG) Dominion Transmission Inc.
Address P.O. Box 2450 City Clarksburg State WV Zip 26302

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 39.12206 Easting 80.33663
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1246 GL Type of Well ☐ New ☒ Existing Type of Report ☐ Interim ☒ Final
Permit Type ☐ Deviated ☐ Horizontal ☐ Horizontal 6A ☐ Vertical Depth Type ☐ Deep ☒ Shallow
Type of Operation ☐ Convert ☐ Deepen ☐ Drill ☐ Plug Back ☐ Redrilling ☒ Rework ☒ Stimulate
Well Type ☐ Brine Disposal ☐ CBM ☒ Gas ☐ Oil ☐ Secondary Recovery ☐ Solution Mining ☐ Storage ☐ Other _____
Type of Completion ☐ Single ☐ Multiple Fluids Produced ☐ Brine ☒ Gas ☐ NGL ☒ Oil ☒ Other Rework
Drilled with ☐ Cable ☐ Rotary

Drilling Media Surface hole ☐ Air ☐ Mud ☐ Fresh Water Intermediate hole ☐ Air ☐ Mud ☐ Fresh Water ☐ Brine
Production hole ☐ Air ☐ Mud ☐ Fresh Water ☐ Brine
Mud Type(s) and Additive(s)

Date permit issued 04/22/2014 Date drilling commenced 08/19/2014 Date drilling ceased 08/21/2014
Date completion activities began 08/20/2014 Date completion activities ceased 08/21/2014
Verbal plugging (Y/N) N Date permission granted 08/21/2014 Granted by Sam Ward

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft N/A Rework Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A Rework Void(s) encountered (Y/N) depths N
Coal depth(s) ft N/A Rework Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N/A

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API 47- 033 - 00575

Farm name David Hinkle and Lisle C. Leighton Well number 11387

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details No casing set rework well

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	CLASS A	280	15.6	1.23		1900	8 hours
Tubing							

Drillers TD (ft) 3300

Loggers TD (ft) 3218

Deepest formation penetrated Beltown 3258

Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) N/A

Check all wireline logs run

☒ caliper ☐ density ☐ deviated/directional ☐ induction
☐ neutron ☐ resistivity ☐ gamma ray ☐ temperature ☐ sonic

Well cored ☐ Yes ☒ No

Conventional Sidewall

Were cuttings collected ☐ Yes ☒ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

WAS WELL COMPLETED AS SHOT HOLE

☐ Yes ☒ No

DETAILS _____

WAS WELL COMPLETED OPEN HOLE?

☒ Yes ☐ No

DETAILS

Perf old 4-1/2" pipe

WERE TRACERS USED

☐ Yes ☒ No

TYPE OF TRACER(S) USED _____

Farm name David Hinkle and Lisle C. Leighton Well number 11387

PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

NOV 18 2014

WV Department of
Environmental Protection

API 47-033-00577 ✓ County Harrison District Grant
Quad Berlin 7.5 Pad Name Dominion Field/Pool Name Lost Creek
Farm name Charles R. Sutton Well Number 11388
Operator (as registered with the OOG) Dominion Transmission Inc.
Address P.O. Box 2450 City Clarksburg State WV Zip 26302

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 39.122508 Easting 80.345331
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1246 GL Type of Well ☐ New ☒ Existing Type of Report ☐ Interim ☒ Final
Permit Type ☐ Deviated ☐ Horizontal ☐ Horizontal 6A ☐ Vertical Depth Type ☐ Deep ☒ Shallow
Type of Operation ☐ Convert ☐ Deepen ☐ Drill ☐ Plug Back ☐ Redrilling ☒ Rework ☒ Stimulate
Well Type ☐ Brine Disposal ☐ CBM ☒ Gas ☐ Oil ☐ Secondary Recovery ☐ Solution Mining ☐ Storage ☐ Other _____
Type of Completion ☐ Single ☐ Multiple Fluids Produced ☐ Brine ☒ Gas ☐ NGL ☒ Oil ☒ Other Rework
Drilled with ☐ Cable ☐ Rotary

Drilling Media Surface hole ☐ Air ☐ Mud ☐ Fresh Water Intermediate hole ☐ Air ☐ Mud ☐ Fresh Water ☐ Brine
Production hole ☐ Air ☐ Mud ☐ Fresh Water ☐ Brine
Mud Type(s) and Additive(s) _____

Date permit issued 04/22/2014 Date drilling commenced 09/19/2014 Date drilling ceased 09/22/2014
Date completion activities began 09/21/2014 Date completion activities ceased 09/22/2014
Verbal plugging (Y/N) N Date permission granted 09/22/2014 Granted by Sam Ward

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft N/A Rework Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A Rework Void(s) encountered (Y/N) depths N
Coal depth(s) ft N/A Rework Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N/A

Reviewed by: _____

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API 47- 033 - 00577

Farm name Charles R. Sutton

Well number 11388

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details No casing set rework well

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	N/A	N/A	N/A	N/A		N/A	N/A
Tubing							

Drillers TD (ft) 2300

Loggers TD (ft) 2280

Deepest formation penetrated 5TH SAND 2252

Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) N/A

Check all wireline logs run

☐ caliper ☐ density ☐ deviated/directional ☐ induction
☐ neutron ☐ resistivity ☐ gamma ray ☐ temperature ☐ sonic

Well cored ☐ Yes ☒ No

Conventional Sidewall

Were cuttings collected ☐ Yes ☒ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? ☒ Yes ☐ No DETAILS Perf old 4-1/2" pipe

WERE TRACERS USED ☐ Yes ☒ No TYPE OF TRACER(S) USED _____

Well number 11388

PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

Farm name **Charles R. Sutton**

Well number 11388

DEPTHS

5TH SAND

2252

TVD

MD

Please insert additional pages as applicable.

GAS TEST ☐ Build up ☐ Drawdown ☒ Open Flow

OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 84 psi Bottom Hole 1896 psi DURATION OF TEST 24 hrs

OPEN FLOW	Gas		Oil		NGL		Water		GAS MEASURED BY
	83	mcfpd	0	bpd	0	bpd	0	bpd	<input type="checkbox"/> Estimated <input checked="" type="checkbox"/> Orifice <input type="checkbox"/> Pilot

[illegible][illegible]

Please insert additional pages as applicable.

Drilling Contractor N/A

Address _____ City _____ State _____ Zip _____

Logging Company NABORS

Address 82 OLD ELKINS ROAD City BUCKHANNON State WV Zip 26201

Cementing Company N/A

Address _____ City _____ State _____ Zip _____

Stimulating Company NABORS

Address 528 INDUSTRIAL PARK ROAD City JANE LEW State WV Zip 26378

Please insert additional pages as applicable.

Completed by JAMES D. BRASINGAME

Telephone 304-627-3362

Signature [Signature] Title DTI Designated Agent Date 11/14/14

Director, Gas Storage
Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

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Office of Oil and Gas

NOV 18 2014

API 47 - 033 - 00597 W County Harrison District Grant
Quad West Milford Pad Name Dominion Field/Pool Name Lost Creek
Farm name William & Virginia Jenkins Well Number 11423
Operator (as registered with the OOG) Dominion Transmission Inc.
Address P.O. Box 2450 City Clarksburg State WV Zip 26302

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 39.146112 Easting 80.383769
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1192' GL Type of Well ☐ New ☒ Existing Type of Report ☐ Interim ☒ Final
Permit Type ☐ Deviated ☐ Horizontal ☐ Horizontal 6A ☐ Vertical Depth Type ☐ Deep ☒ Shallow
Type of Operation ☐ Convert ☐ Deepen ☐ Drill ☐ Plug Back ☐ Redrilling ☒ Rework ☒ Stimulate
Well Type ☐ Brine Disposal ☐ CBM ☒ Gas ☒ Oil ☐ Secondary Recovery ☐ Solution Mining ☐ Storage ☐ Other _____
Type of Completion ☐ Single ☐ Multiple Fluids Produced ☐ Brine ☒ Gas ☐ NGL ☒ Oil ☒ Other Rework
Drilled with ☐ Cable ☐ Rotary

Drilling Media Surface hole ☐ Air ☐ Mud ☐ Fresh Water Intermediate hole ☐ Air ☐ Mud ☐ Fresh Water ☐ Brine
Production hole ☐ Air ☐ Mud ☐ Fresh Water ☐ Brine
Mud Type(s) and Additive(s) _____

Date permit issued 04/28/2014 Date drilling commenced 07/31/2014 Date drilling ceased 08/06/2014
Date completion activities began 07/31/2014 Date completion activities ceased 08/06/2014
Verbal plugging (Y/N) N Date permission granted 08/06/2014 Granted by Sam Ward

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft N/A Rework Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A Rework Void(s) encountered (Y/N) depths N
Coal depth(s) ft N/A Rework Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N/A

Reviewed by: _____

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API 47- 033 - 00597

Farm name William & Virginia Jenkins

Well number 11423

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details No casing set rework well

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	CLASS A	130	14.8	1.37		1863'	8 hours
Tubing							

Drillers TD (ft) 2500'

Loggers TD (ft) 2453'

Deepest formation penetrated Bayard 2404'

Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) N/A

Check all wireline logs run

☒ caliper

☐ density

☐ deviated/directional

☐ induction

☐ neutron

☐ resistivity

☐ gamma ray

☐ temperature

☐ sonic

Well cored ☐ Yes ☒ No

Conventional

Sidewall

Were cuttings collected ☐ Yes ☒ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? ☒ Yes ☐ No DETAILS Perf old 4-1/2" pipe

WERE TRACERS USED ☐ Yes ☒ No TYPE OF TRACER(S) USED _____

Farm name William & Virginia Jenkins Well number 11423

PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

Farm name **William & Virginia Jenkins** Well number **11423**

DEPTHS

2410

TVD

MD

OIL TEST ■ Flow □ Pump

SHUT-IN PRESSURE Surface 120 psi Bottom Hole 2010 psi DURATION OF TEST 72 hrs

OPEN FLOW	Gas	Oil	NGL	Water	GAS MEASURED BY		
	60	1	0	0	<input type="checkbox"/> Estimated	<input checked="" type="checkbox"/> Orifice	<input type="checkbox"/> Pilot
	mcfpd	bpd	bpd	bpd			

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
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[illegible]

Drilling Contractor N/A

Address _____ City _____ State _____ Zip _____

Logging Company NABORS

Address 82 OLD ELKINS ROAD City BUCKHANNON State WV Zip 26201

Cementing Company BAKER HUGHES

Address 837 PHILIPPI PIKE City CLARKSBURG State WV Zip 26301

Stimulating Company NABORS

Address 528 INDUSTRIAL PARK ROAD City JANE LEW State WV Zip 26378

Please insert additional pages as applicable.

Completed by James D. Blasingame Telephone 304-677-3362

Signature James W. Blanton Title DTI Designated Agent Date 11/17/14

Director, Gas Storage
 Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

RECEIVED
Office of Oil and Gas

NOV 18 2014

WV Department of
Environmental Protection

API 47-033-00784 W County Harrison District Grant
Quad Berlin 7.5 Pad Name Dominion Field/Pool Name Lost Creek
Farm name Velma Shock Well Number 11754
Operator (as registered with the OOG) Dominion Transmission Inc.
Address P.O. Box 2450 City Clarksburg State WV Zip 26302

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 39.124566 Easting 80.362460
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1223' GL Type of Well ☐ New ☒ Existing Type of Report ☐ Interim ☒ Final
Permit Type ☐ Deviated ☐ Horizontal ☐ Horizontal 6A ☐ Vertical Depth Type ☐ Deep ☒ Shallow
Type of Operation ☐ Convert ☐ Deepen ☐ Drill ☐ Plug Back ☐ Redrilling ☒ Rework ☒ Stimulate
Well Type ☐ Brine Disposal ☐ CBM ☒ Gas ☐ Oil ☐ Secondary Recovery ☐ Solution Mining ☐ Storage ☐ Other _____
Type of Completion ☐ Single ☐ Multiple Fluids Produced ☐ Brine ☒ Gas ☐ NGL ☒ Oil ☒ Other Rework
Drilled with ☐ Cable ☐ Rotary

Drilling Media Surface hole ☐ Air ☐ Mud ☐ Fresh Water Intermediate hole ☐ Air ☐ Mud ☐ Fresh Water ☐ Brine
Production hole ☐ Air ☐ Mud ☐ Fresh Water ☐ Brine
Mud Type(s) and Additive(s) _____

Date permit issued 11/28/2014 REV 11/17/14 Date drilling commenced 09/02/2014 Date drilling ceased 09/10/2014
Date completion activities began 08/26/2014 Date completion activities ceased 09/10/2014
Verbal plugging (Y/N) N Date permission granted 09/10/2014 Granted by Sam Ward

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft N/A Rework Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A Rework Void(s) encountered (Y/N) depths N
Coal depth(s) ft N/A Rework Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N/A

Reviewed by: _____

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API 47- 033 - 00784

Farm name Velma Shock

Well number 11754

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details No casing set rework well

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	CLASS A	200	15.6	1.23		1900'	8 hours
Tubing							

Drillers TD (ft) 2354

Loggers TD (ft) 2360

Deepest formation penetrated Bayard 2360

Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) N/A

Check all wireline logs run

☒ caliper

☐ density

☐ deviated/directional

☐ induction

☐ neutron

☐ resistivity

☐ gamma ray

☐ temperature

☐ sonic

Well cored ☐ Yes ☒ No

Conventional

Sidewall

Were cuttings collected ☐ Yes ☒ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? ☒ Yes ☐ No DETAILS Perf old 4-1/2" pipe

WERE TRACERS USED ☐ Yes ☒ No TYPE OF TRACER(S) USED _____

Well number 11754

[illegible]

STIMULATION INFORMATION PER STAGE

[illegible]

Please insert additional pages as applicable.

Well number 11754

DEPTHS

MD

OIL TEST **Flow** **Pump**

OPEN FLOW	Gas	Oil	NGL	Water	GAS MEASURED BY		
119	mcfpd	SHOW bpd	0 bpd	0 bpd	<input type="checkbox"/> Estimated	<input checked="" type="checkbox"/> Orifice	<input type="checkbox"/> Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	

[illegible]

Address _____ City _____ State _____ Zip _____

Address 82 OLD ELKINS ROAD City BUCKHANNON State WV Zip 26201

Address 837 PHILIPPI PIKE City CLARKSBURG State WV Zip 26301

Address 528 INDUSTRIAL PARK ROAD City JANE LEW State WV Zip 26378

Signature James D. Blum Title DTI Designated Agent Date 11/17/14

Submittal of Hydraulic Fracturing Chemical Disclosure Information **Attach copy of FRACFOCUS Registry**

State of West Virginia
Department of Environmental Protection - Office of Oil and Gas
Well Operator's Report of Well Work

RECEIVED
Office of Oil and Gas

NOV 18 2014

WV Department of
Environmental Protection

API 47 - 033 - 00891W County Harrison District Grant
Quad Mount Clare 7.5 Pad Name Dominion Field/Pool Name Lost Creek
Farm name Worthy C. Hall Well Number 11938
Operator (as registered with the OOG) Dominion Transmission Inc.
Address P.O. Box 2450 City Clarksburg State WV Zip 26302

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 39.16458 Easting 80.33752
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1274' GL Type of Well ☐ New ☒ Existing Type of Report ☐ Interim ☒ Final
Permit Type ☐ Deviated ☐ Horizontal ☐ Horizontal 6A ☐ Vertical Depth Type ☐ Deep ☒ Shallow
Type of Operation ☐ Convert ☐ Deepen ☐ Drill ☐ Plug Back ☐ Redrilling ☒ Rework ☒ Stimulate
Well Type ☐ Brine Disposal ☐ CBM ☒ Gas ☐ Oil ☐ Secondary Recovery ☐ Solution Mining ☐ Storage ☐ Other _____
Type of Completion ☐ Single ☐ Multiple Fluids Produced ☐ Brine ☒ Gas ☐ NGL ☒ Oil ☒ Other Rework
Drilled with ☐ Cable ☐ Rotary

Drilling Media Surface hole ☐ Air ☐ Mud ☐ Fresh Water Intermediate hole ☐ Air ☐ Mud ☐ Fresh Water ☐ Brine
Production hole ☐ Air ☐ Mud ☐ Fresh Water ☐ Brine
Mud Type(s) and Additive(s)

Date permit issued 04/14/2014 Date drilling commenced 09/19/2014 Date drilling ceased 10/24/2014
Date completion activities began 10/24/2014 Date completion activities ceased 10/24/14
Verbal plugging (Y/N) N Date permission granted 10/24/2014 Granted by Sam Ward

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft N/A Rework Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A Rework Void(s) encountered (Y/N) depths N
Coal depth(s) ft N/A Rework Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N/A

Reviewed by:

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API 47- 033 - 00891

Farm name Worthy C. Hall

Well number 11938

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							
Packer type and depth set							

Comment Details No casing set rework well

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	CLASS A	280	15.6	1.23		1900'	8 hours
Tubing							

Drillers TD (ft) 3500

Loggers TD (ft) 3480

Deepest formation penetrated BALLTOWN

Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) N/A

Check all wireline logs run

☐ caliper ☐ density ☐ deviated/directional ☐ induction
☐ neutron ☐ resistivity ☐ gamma ray ☐ temperature ☐ sonic

Well cored ☐ Yes ☒ No

Conventional Sidewall

Were cuttings collected ☐ Yes ☒ No

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING _____

WAS WELL COMPLETED AS SHOT HOLE ☐ Yes ☒ No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? ☒ Yes ☐ No DETAILS Perf old 4-1/2" pipe

WERE TRACERS USED ☐ Yes ☒ No TYPE OF TRACER(S) USED _____

Well number **11938**

PERFORATION RECORD

[illegible]

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

[illegible]

Please insert additional pages as applicable.

